

CURRENT DETECTOR PROVIDED WITH HALL ELEMENT

Publication number: JP2001230467

Publication date: 2001-08-24

Inventor: OTSUKA KOJI

Applicant: SANKEN ELECTRIC CO LTD

Classification:

- international: G01R15/20; H01L43/06; G01R15/14; H01L43/06;
(PC1-7): H01L43/06

- European: G01R15/20B; H01L43/06B

Application number: JP20000249472 20000821

Priority number(s): JP20000249472 20000821; JP19990350064 19991209

Also published as:



EP1107327 (A2)

US6812687 (B1)

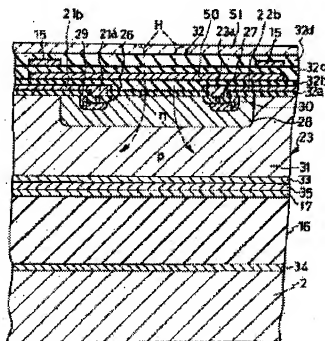
EP1107327 (A3)

Report a data error here

Abstract of JP2001230467

PROBLEM TO BE SOLVED: To detect a current with accuracy by using a Hall element.

SOLUTION: On an insulation film 32 formed on the surface of a semiconductor substrate 23 which constitutes the Hall element 1, a conductor layer 15 is formed as a current path. The conductor layer 15 is so disposed as to surround a main operating region of the Hall element 1. Between the conductor layer 15 and the semiconductor substrate 23, a Mo-made shield layer 50 is disposed to prevent dielectric noise.



Data supplied from the esp@cenet database - Worldwide

Family list5 family members for: **JP2001230467**

Derived from 3 applications

[Back to JP2001230](#)

- 1 Semiconductor current detector of improved noise immunity**
Inventor: OHTSUKA KOJI (JP) **Applicant:** SANKEN ELECTRIC CO LTD (JP)
EC: G01R15/20B; H01L43/06B **IPC:** G01R15/20; H01L43/06; G01R15/14 (+2)
Publication info: EP1107327 A2 - 2001-06-13
EP1107327 A3 - 2004-12-29
- 2 CURRENT DETECTOR PROVIDED WITH HALL ELEMENT**
Inventor: OTSUKA KOJI **Applicant:** SANKEN ELECTRIC CO LTD
EC: G01R15/20B; H01L43/06B **IPC:** G01R15/20; H01L43/06; G01R15/14 (+2)
Publication info: JP3852554B2 B2 - 2006-11-29
JP2001230467 A - 2001-08-24
- 3 Semiconductor current detector of improved noise immunity**
Inventor: OHTSUKA KOJI (JP) **Applicant:** SANKEN ELECTRIC CO LTD (US)
EC: G01R15/20B; H01L43/06B **IPC:** G01R15/20; H01L43/06; G01R15/14 (+2)
Publication info: US6812687 B1 - 2004-11-02

Data supplied from the esp@cenet database - Worldwide